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Vol. 14
1959/60
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MINERALOGICAL ABSTRACTS

VOLUME 14

(Nos. 1—8, 1959—1960)

EDITED BY J. PHEMISTER

9 Dec 69

PUBLISHED JOINTLY BY
THE MINERALOGICAL SOCIETY OF GREAT BRITAIN AND THE MINERALOGICAL SOCIETY OF AMERICA
LONDON — 1961

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The fourteenth volume of MINERALOGICAL ABSTRACTS contains 4060 abstracts and citations of papers, and noti of 17 bibliographies and 102 books. The abstracts are grouped under the seventeen headings :—

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Some of the more lengthy sections are subdivided, for example, Rock-forming minerals and petrology has be broken down into Rock-forming minerals ; Petrography, regional ; Petrofabrics ; Volcanology ; Metamorphism ; Se mentary petrology ; Petrogenesis : though all subdivisions have not been used in any one number. Within sectio attempt has been made at some appropriate grouping, for example, in Regional petrography according to geograph in Mineral data according to systematic classification, in Physical properties and Various topics according to subject, a so on.

The Index which constitutes No. 8, December 1960, is in two parts : a Topographical Index (pp. 527-541) a an Alphabetical Index (pp. 543–608) of AUTHORS, subjects and *localities*. The Topographical Index is arranged by contine in the order Europe, Asia, Africa, North America, South America, and Australasia, followed by the regions Pacific Oce Indian Ocean, Atlantic Ocean, Arctic, and Antarctic. The place names in the index are in the form used by the Columb Lippincott Gazetteer of the World (1952) ; where an alternative form has been used in the Abstracts it follows, in bracke the C.-L. Gazetteer form. Abbreviations are : Co. County ; Is. Island, Islands ; L. Lake, Loch (Scotland), Lough (Irelan Mts. Mountains ; R. River.

The Index, topographical and alphabetical, has been prepared by Dr. O. Bradley.

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ERRATA AND ADDENDA

(L, R indicate left, right column,
* indicates counted from the bottom.)

Mineralogical Abstracts, vol. 5.

PAGE	LINE	
?33	18 (and Index)	*For* Petaluna *read* Petaluma

Mineralogical Abstracts, vol. 6.

596L	9*	*For* MISER *read* MISES

Mineralogical Abstracts, vol. 7.

?08	2	*For* Nevada *read* Montana
573R	10	Delete *Lexington mine, Butte*, Helvine, 208
573	Foot of R col.	Add *Lexington mine, Butte*, Helvine, 208
610L	9*	For *Nevada* read *Montana*

Mineralogical Abstracts, vol. 10.

?43	9 (and Index)	*For* Middleton *read* Middletown
?38	10* (and Index)	*For* Tiburn *read* Tiburon

Mineralogical Abstracts, vol. 11.

320L	6*	*For* 983 *read* 982

Mineralogical Abstracts, vol. 12.

iv	13*	*For* 304 *read* 305
—	4*	*For* 12* *read* 10*
89	13*	*For* He *read* Yale
—	11*	*For* E. Ward *read* F. Ward
—	10*	*For* A Knopf *read* A. Knopf
—	10*	*For* H. S. Walton *read* M. S. Walton
04	15* (and Index)	*For* Gabba *read* Gabbs
32L	18*	*After* collection *add*, 609, history of geology at

Mineralogical Abstracts, vol. 14, no. 1.

Vrapper (front)	Bottom line	*For* Post Free, $10 : £3 10s. *read* Post Free, $9 : £3 3s.
Vrapper (back)	Lines 6–7	*For* U.S. $10 or £3 10s. post free *read* U.S. $9 or £3 3s. post free
iR	4*	*For* R. C. Wayland *read* R. G. Wayland
—	3*	*For* G. Welin *read* E. Welin
—	2/3*	*Add* R. G. Wells, *U.S.A.*
—	2*	*For* R. C. Winchell *read* H. Winchell

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2R	18*	*For* **Amirkhanov (K.I.)** *read* **Amirkhanov (Kh. I.)**
3L	22	*For* Hombolo *read* Hombola [Hombolo]
7R	6*	*For* Ca *read* Cs
11R	11	For *chemica* read *chemical*
12L	1	*For* Westerley *read* Westerly
—R	5*	*For* author's *read* authors'
15L	1	*For* **Maguire (S. G.)** *read* **Maguire (S. G., *Jr.*)**
23L	15*	*For* P_2^4 *read* $P4_2$
—R	3*	*For* **Macgillavry** *read* **MacGillavry**
24R	5	*For* $\bar{3}77$ *read* $\bar{3}37$
28L	5*	*For* **Pepper (J. E.)** *read* **Pepper (J. F.)**
35R	21*	*For* **Grütter** *read* **Grütter (O.)**
—	17*	*For* $Na_{0.43}[Al_{0.43}Si_{0.57}]aq.$ *read* $Na_{0.43}[Al_{0.43}Si_{0.57}O_2]aq.$
36L	13*	*For* **Fö¨x** *read* **Föëx**
37L	12*	*For* Sm<Eu<Gd *read* Sm>Eu>Gd
—	11*	*For* Yb<Lu *read* Yb>Lu
40L	18*	*For* Prarie *read* Prairie
—R	19*	*For* Kaminaljuvu *read* Kaminaljuyu
52L	22	*For* Tota *read* Total
—	18*	*For* $r>v$ *read* $r<v$
53L	16*	*For* =99·56 *read* =" 99·56 "
—R	9*	*For* $[As,P)O_4]_2$ *read* $[(As,P)O_4]_2$
57L	8	For *MC Mine* read *Mc Mine*
60L	4*	*Add* 1956,
—R	15	
—	18*	

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PAGE	LINE	
61L	13	*Add* 1956,
—R	11	
64R	14	For *Anistropy* read *Anisotropy*
—	16*	*For* **Bari** *read* **Boni**
—	8*	*For* R. G. W. *read* R. G. Wls.
67L	15*	*For* Markh *read* Markha
—R	8*	*For* andesities *read* andesites
72R	16	*For* Kabylic *read* Kabylie
73L	17*	*For* blende *read* blend
78L	11	*For* Min. Mag. *read* Mining Mag.
—	19	*Add* 1958,
—R	8	*For* numbers *read* members
80L	5*	*For* I^42m *read* $I42m$
—R	16*	*For* R. G. W. *read* R. G. Wls.
86R	8*	*For* M.A. **16**–6 *read* M.A. **14**–6
87R	4*	*For* **Ringborn** *read* **Ringbom**
89L	12	*For* **Eitel (William)** *read* **Eitel (Wilhelm)**
94R	22*	*For* **Duwayne (M. Anderson)** *read* **Anderson (D. M.)**
97R	18	*For* **Paneque (G.)** *read* **Paneque Guerrero (G.)**
100L	24*	*For* 1559 *read* 1956
102L	6	*For* distinezite *read* destinezite
102R	11*	*For* ullmanite *read* ullmannite
103L	1	*For* $CaSO_4$ *read* $CuSO_4$
105L	20*	*For* Kangerdluarsuk *read* Kangerdluarssuk
113L	2*	*For* Morocoha *read* Morococha
115L	19*	*Add* , 1958 *after* Geol.
120R	18	*For* **Eppler (W. E.)** *read* **Eppler (W. F.)**
123L	8*	*For* **Vainstein** *read* **Vainshtein**
131L	12	*For* SiO_2 6·04 *read* SiO_2 60·04
137L	1*	*For* Mazharovo *read* Madzharovo
138R	14	*For* Khavnaksinsky *read* Khavuaksinsky
147L	23*	*For* Magdelena *read* Magdalena
148R	19*	*For* **Kuelmer** *read* **Kuellmer**
—	4*	*For* Север-ого *read* Северного
152R	3	*For* Khamsyny *read* Khamsyra
176R	4	*For* MATAYAMA *read* MATUYAMA
182R	20*	*For* More *read* Mora
183L	7*	*For* WILES (W. J.) *read* WILES (J. W.)
184L	18	*For* Ande *read* Aude
186L	16	*For* Post Masburg *read* Postmasburg
—	8*	*For* sygenetic *read* syngenetic
—R	20*	*For* endichite *read* endlichite
190L	2	*For* 'septachlorite' *read* 'septechlorite'
193L	9*	*For* KULP (L. LAWRENCE) *read* KULP (J. LAWRENCE)
197L	18*	Viluy *read* Vilui
204L	2	*For* line *read* lime
—	4	
207L	21	*For* kirchsteinite *read* kirschsteinite
—	26	
—	33	
—R	19*	*For* kochubeite *read* kochubeïte
216L	18	*For* analsyes *read* analyses
225L	1	*For* hawleite *read* hawleyite
—	15*	*For* Sacaramb *read* Săcărâmbu
—	13*	
—	14*	*For* Nagzag *read* Nagyag
226L	12*	*For* FRADKINA (K. B.) *read* FRADKINA (KH. B.)
—R	23*	*For* dividite *read* davidite
231R	5*	*For* BESKROVNY *read* BEZKROVNY
234L	21	*For* Kotin *read* Kotui
—	—	*For* Meimecha *read* Maimecha
241R	10*	*For* SHUBNIKOVA *read* SHUBNIKOV
247L	10	*For* Hyago *read* Hyogo
252L	11	*For* Hungary *read* Romania

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PAGE	LINE	
253L	11*	*For* KONDRATJEVA *read* KONDRATIEVA
258L	13*	*For* GRATCHEVA *read* GRACHEVA
—R	20*	*For* Mem. *read* Mém.
—	18*	*For* Sn *read* W
265R	9	*For* Kyanugdwin *read* Kyaungdwin
267L	13	*For* Oldoinyo *read* Ol Doinyo
278L	20	*For* Zirbulakh *read* Zirabulak
—	14*	*For* TiO_3 *read* TiO_2
—R	12*	*For* Hovaks *read* Khovaks
—	9*	For *Parbighite* read *Parbigite*
—	5*	
—	4*	*For* Parbigh *read* Parbig
279L	19	*For* Krkonŏse *read* Krkonoše
—	17*	*For* 1959 *read* 1958
—R	10*	*For* Gynögyösoroszi *read* Gyöngyösoroszi
280L	3	For *kusterite* read *késterite*
—	8	
—	7	*For* Kuster *read* Köster (Kyoster)
—	9	*For* kusterite *read* késterite
—R	19	*For* Medviezhy *read* Medvezhiĭ
—	2*	*For* Balasanskandyk *read* Balasauskandyk
281R	23	*For* magnesia- *read* magnesio-
283L	21*	*For* GURIEVA (E. Y.) *read* GURIEVA (E. YA.)
284R	14*	*For* 1959, **3** *read* 1959, **88**(3)
—	1*	
285R	24*	For *Goubensky* read *Gubensky*
—	19*	*For* γ 1·708 *read* β 1·708, γ 1·710
—	17*	*For* SiO . . . TiO *read* SiO_2 . . . TiO_2
—	7*	*For* KLAGUISH *read* KLAGISH
—	2*	*For* 1959, **3** *read* 1959, **88**(3)
291R	12	*For* 233 *read* 233 pp.
292R	3*	For *Fagnes* read *Fanges*
293L	14*	*For* conditiins *read* conditions
294L	20*	*For* Igal *read* Igla
298L	9	*For* Arkjara *read* Arkhara
—	16*	*For* papar *read* paper
299R	12	*For* Kouru *read* Koum
304R	12	*For* paragensis *read* paragenesis
305L	7*	*For* igenous *read* igneous
306L	8*	*For* quarzto- *read* quartzo-
—R	13	*For* reivew *read* review
311L	1*	*For* 1959, **3** *read* 1959, **88**(3)
312R	15	
—	17*	
330L	21*	*For* Krasknoyarsk *read* Krasnoyarsk
340R	7*	*For* α *read* γ
—	6*	*For* γ *read* α
344L	6*	For KOPCHENOVA (E. Y.) *read* KOPCHENOVA (E. Y. [=V.])
346L	9	*For* AMELINCKS *read* AMELINCKX
353L	10*	*For* W. J. W. *read* G. M. B.
354R	15*	*For* Téron *read* Théron
355L	9	*For* Kikuye *read* Kibuye

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356L	12	*For* Mem *read* Mém
—	3*	*For* Gèol. *read* Géol.
359R	22	*For* Dzhetygary *read* Dzhetygara
368L	20	*For* M-elle *read* Melle
—	23	*For* lujaurite *read* lujavrite
369R	5	*For* 1959, **82** *read* 1958, **81**
370R	10*	*For* Tunugdliafik *read* Tunugdliarfik
372R	11	*For* Ekersund *read* Egersund
—	18	*For* Differents *read* Différents
—	12*	*For* MICHOT (P.) *read* MICHOT (J.)
373R	9	
375R	9	*For* Rosewal *read* Rosiwal
—	12	
386L	15	*For* Ransdell *read* Ramsdell
—	2*	*For* 140pp. *read* 117pp.
388R	1	*For* **14**–XXX *read* **14**–391
395R	16	*For* Chindwara *read* Chhindwara
399R	6*	*For* 1952–1956 *read* 1952–1955
402R	21*	*For* Maskawa *read* Maskwa
409L	19	*For* hübernite *read* hübnerite
410R	19*	*For* PETTERSSEN *read* PETTERSSON
412R	11	*For* Maramba *read* Marampa
—	15	
414R	21*	*For* Kanasite *read* Canasite
—	15*	
—	13*	
415L	19*	*For* lonzenge- *read* lozenge-
415R	6	*For* rabdophane *read* rhabdophane
416R	7	*For* erythrite-hermesite [schwatzite] and anbergite-hermesite *read* erythrite-hörnes and annabergite-hörnesite
—	9	*For* PARWEL (A.) *read* PARWAL (A.)
423R	8*	*For* trydimite *read* tridymite
427R	12*	For *Metamorphic geology and reflection* r *Metamorphic geology : reflections*
—	10*	*For* **27** *read* **27B**
433R	21	*For* особности *read* особенности
434R	20	*For* Artic *read* Artik
—	25	
441R	8*	*For* Kalgoorie *read* Kalgoorlie
—	4*	
446L	24*	*For* 1958, **9** (12) *read* 1958, **12**
—R	18*	*For* silcates *read* silicates
452L	20	*For* mines *read* mine
—R	9	*For* BROEKER *read* BROECKER
454R	14	For *evaporates* read *evaporites*
457L	19	*For* NCNABB *read* MCNABB
459R	5*	*For* LAFITTE *read* LAFFITTE
465R	19	*For* BRADLEY (F. W.) *read* BRADLEY (W. F.
471R	10	*For* (*h*0*l*) *read* (*h*0*l*)
501R	14	*For* gumbelite *read* gümbelite
—	16*	*For* $(Ca,Mg)(Fe,Al)Ti_4O_{12}.4H_2O$ *read* $(Ca,Mg)(Fe,Al)_2Ti_4O_{12}.4H_2O$